

Message

From: Hamilton, John (IHS/PHX) [John.Hamilton@ihs.gov]
Sent: 5/14/2014 8:51:26 PM
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CC: Lee, Bessie [Lee.Bessie@epa.gov]
Subject: Summary of Hopi Water Infrastructure Conference Call, April 30, 2014

Next Call – will be on Thursday, June 5, 2014 at 9:30 a.m. Hopi Time. Bessie will provide the call-in phone number and agenda.

Participates in the April 30, 2014 call included:

HUD – Cristal Quinn
USDA - Loretta Orona
IHS - Robert Lorenz, Adam Hughes, and Brad Rae
BIA - Wendell Honanie
USEPA - Suzanne Perkins, John Hamilton and Bessie Lee
Sipaulovi Village - King Honanie and Mayfa Natoni
Shungopavi Village – Christine Tawahongva and Vern Mansfield
Upper Village of Moenkopi – Gov. Hubert Lewis
Hopi WRP – Uberta Mowa
Hopi Finance – Yvonne Day and Marie
Hopi EPO – Gayl Honanie
Hopi Housing Authority – Wayne Taylor
Consultant – Fredrick Tack

Hopi Arsenic Mitigation Project (HAMP)

- Adam Hughes reported the project team met with the Tribal Council on April 9, 2014 to review HAMP progress, raise questions that need Council consideration and seek recommendations on the issues presented. The Council is very supportive of the project in general. The use of electrical generators at the well field, rather than grid power from APS or NTUA, would essentially double the annual cost of operating the HAMP water supply system. While there may be some Council issues with the potential for APS power, the Council informally agreed the project PER should include grid power, due to the operational cost of generators.
- A planning agreement has been drafted to include BIA/BIE in the HAMP planning process and to identify tribal and BIA funding for required activities (i.e. amendments to the PER, Strategic Plan, Environmental Assessment, etc.). An interagency agreement has also been drafted and signed by BIA as a means of providing BIA planning funds to IHS. Both agreements are being reviewed by IHS attorneys. We anticipate it would take about 12 months to fully evaluate the potential and costs of adding BIA/BIE to the HAMP.
- Well #3 has been drilled to a depth of approximately 2200' and the driller is air lifting the well to remove drilling mud. The well development will continue and then test pumping. We expect a yield of over 300 gpm and preliminary water quality is good as anticipated. This second well should be totally completed by late summer.
- The Council agreed to work with IHS to secure quotes from APS and Adam has drafted a letter to that effect for the Tribe's review and approval. It was understood that the Chairman would be signing the quote request letter and would be forwarding the request for a quote to APS. The actual cost of extending APS power to the well field is not known, although we understand it may be in the range of \$2 million. The Tribe would need to decide if this cost is part of the HAMP and if the Tawa 'ovi development would share a portion of the cost.
- Since the total HAMP budget is approximately \$20 million, we feel USDA funding of a major portion of the project is essential. Therefore, IHS and EPA recommend the Tribe apply for the USDA loan and grant funding at the earliest opportunity. The PER and strategic plan should be completed by June and the environmental assessment is being finalized. We plan to have a public meeting to review the project and related environmental impacts at Hopi early summer, during the public review period for the EA. The Tribe can apply for the USDA grant/loan when all USDA requirements are in place, including site control, the agreements with the villages, and other legal, technical and procedural requirements. The Tribe is responsible for completing past-due annual audits and other legal and financial requirements of USDA. The 2010 audit has been drafted and is being reviewed in the Chairman's office. The 2010 audit must be totally completed by May 1, 2014. Work on the 2011 audit is also underway.
- The Hopi Tribal Housing Authority has indicated it may be able to provide \$0.5 million for construction of the HAMP. This amount of funding would need to be approved by the Housing Authority Board. IHS is developing a draft Project Summary and MOA for review by the Housing Authority and Tribe. We should plan to expend these HUD funds this year. Expenditures may be for a task or tasks that had already begun before HUD funds were made available, if all HUD requirements are met. One alternative may be to fund the power line "upfront costs", although that may be unlikely, since the power line wouldn't be built and completed this year.
- Bill Bettenberg plans to meet with the Council to consider a \$2 million HAMP contribution by the Tribe, the HPUA funding, the HPUA Director position, and village agreements.
- There was a question about whether EPA may provide additional DWTSA funding for the project this fiscal year. EPA has been the major funding agency up to the present time, with a total of about \$4.2 million in grant funds. The Tribe had applied for additional funds last November, and EPA is evaluating proposed projects from throughout the region. We are hopeful that some additional EPA funding may be available this year.

Shungopavi Village

- Mike Janes, GHD, is getting a revised quote for the provision of temporary water during repainting of the elevated tank interior. Include Uberta in the planning process, since the grant is administered by Hopi WRP. At the present time, the Tribe is not under contract with Caldwell Tank for this "warranty" work. Caldwell will need to comply with all relevant Tribal clearances and a business license is required.
- Remaining EPA DWTSA project funds, after the tank repainting, will be used for the installation of residential water meters. Hopi WRP would like to extend the grant budget period for two years for this work and they are developing a revised scope of work. Vern said 40% of the houses are already metered.

- Brad will meet with Christine, the Acting CSA, to review SDS scoring. There is an SDS project which includes residential water meters, but it may not score high enough to be in the funding range.

Upper Village of Moenkopi

- Suzanne Perkins asked that Governor Lewis contact the Hopi Tribal Chairman to request a copy of the letter from the Tribe to EPA regarding consultation on EPA's NPDES enforcement action on the UVM wastewater treatment plant. Enforcement related correspondence from USEPA will still go to Upper Moenkopi, and the Tribe will be copied, based on a consultation plan being developed by Suzanne. Micah Lomaomvaya is the Tribal contact person.
- The water and wastewater systems are still being operated by MDC and Randy is also responsible for sampling and compliance reporting to EPA. While the Moenkopi Utility Authority is still active on paper, there have been no actions by the Village to bring MUA back into a position of operating the utilities. This may be discussed by the Village by July 1, 2014? They hope to have MUA back in operation before the end of this year. Generating enough revenue to operate the two treatment plants, wells, wastewater collection and water distribution systems is challenging. The Village may need to raise rates to generate enough income for operation and maintenance of the complex treatment facilities.
- Brad suggested UVM consider sending water samples to NTUA's lab in Fort Defiance to reduce costs, as most of the other Hopi villages are pleased with NTUA's analysis and costs.
- Upper Moenkopi has been reading the water meters for the past two months. They have focused on collecting information on residential water usage, and the corresponding number of people/house.
- Upper Moenkopi would like to consider the HPUA option, and they understand HPUA is being formed by the Tribe to initially operate the HAMP, although it is possible HAMP could offer a broader range of services to villages, after HAMP startup.

John Hamilton, PE
EPA Engineering Consultant